

PATENT ABSTRACTS OF JAPAN

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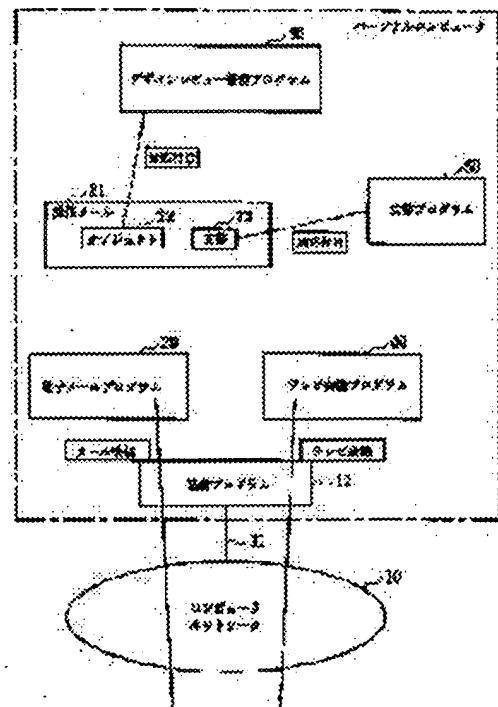
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(54) VIDEO CONFERENCE SYSTEM AND STORAGE MEDIUM RECORDING PROGRAM
TO REALIZE THIS SYSTEM

(57)Abstract:

PROBLEM TO BE SOLVED: To enhance the operability of a user in the case of utilizing a personal computer video conference system connecting with the user via a network.

SOLUTION: Prior to opening of a video conference, a personal computer transmits to video conference participants an electronic mail 21 with an object 22 added thereto and starting conference opening notice, information relating contents of a conference and a video conference management program. When a video conference participant receiving the electronic mail 21 instructs the object 22 added to the electronic mail 21, a video conference management program 30 is activated, which activates an application 50 corresponding to the information relating to contents of the conference and a video conference program 40.



LEGAL STATUS

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CLAIMS

[Claim(s)]

[Claim 1] It is the video conference system which performs a television conference while transmitting and receiving multimedia information on real time among two or more computers connected through the network. In advance of holding of a television conference, the electronic mail with which the object which starts the advice of holding, the information about the content of a board, and a television conference manager was attached is transmitted to a television conference participant. When the television conference participant who received the electronic mail concerned directs said object attached to the electronic mail concerned, It is the video conference system characterized by starting said television conference manager and this television conference manager starting the application program corresponding to the information about said content of a board, and a television conference program.

[Claim 2] It was attached to reception mail of an electronic mail system. Review data stored in the computer, such as a document and a table, an aperture, The television conference manager which starts a video conference system after that is given in said two or more computers. Furthermore, the object which starts said television conference manager is attached to mail of said electronic mail system. The video conference system according to claim 1 characterized by enabling starting of an aperture and a video conference system of a document required for review when the object attached to reception mail is started by the e-mail addressee.

[Claim 3] The record medium which recorded the program for realizing a video conference system according to claim 1 or 2.

[Translation done.]

DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[Field of the Invention] This invention relates to the record medium which recorded the program for realizing the design-review system which cooperated the television conference and electronic mail system which are performed using the personal computer (henceforth a "personal computer") connected through the computer network, and raised operability, and this system.

[0002]

[Description of the Prior Art] The video conference system (henceforth a personal computer video conference system) which the electronic mail system in the personal computer connected through the computer network was being expanded quickly, and used the personal computer has also come to be used. Moreover, when performing a design review using this personal computer video conference system, what performs communication of review holding, sending of review data, etc. with an electronic mail system is proposed.

[0003] About this, the technique indicated by JP, 5-48603, A is known, for example. This technique aims at carrying out unitary control of from holding of a board to the termination according to the flow of the preselected board. A means to notify a board participating member of board holding, and a means to confirm whether proceedings are advancing within a board holding period, The "teleconference network" constituted by having a means by which a database refers unknown language during board holding, and a means to create a conference note after board termination and to deliver to a board participating member is proposed.

[0004] moreover, with the technique indicated by JP, 6-52144, A Precede holding of a teleconference, can aim at unification of recognition level to the subject for discussion between participants etc., and it aims at moreover offering the good teleconference progress support system of operability. It has a prior arrangement control section for creating the prior arrangement information on a teleconference, and the electronic mail circulation control section circulated to other board participants by making prior arrangement information into an electronic mail. The above-mentioned prior arrangement information has taken the configuration equipped with the write-in check information bureau where the response to the question about a board, or a proposal and a question etc. is described to be the check information bureau which described confirmed information, such as a participant name, by the board participant at the time of circulation by the electronic mail at the time of the subject for discussion of a teleconference, or the date.

[0005]

[Problem(s) to be Solved by the Invention] With the above-mentioned conventional technique, in case a design review is performed using the personal computer video conference system connected through networks, such as a wide area network and a Local Area Network, communication of review holding, sending of review data, etc. are transmitted to the participant with the electronic mail. Therefore, in order to perform a design review, when becoming reading and holding time of day from the received electronic mail about the advice of holding of a design review, the participant had to do two or more actuation in which review data attached to reception mail, such as a document and a table, were referred to as, starting a personal computer video conference system an aperture and moreover, and had the

problem that operability was bad.

[0006] The object of this invention solves the above problems in a Prior art, and in using the personal computer video conference system connected through the network, it is to raise a user's operability. Moreover, other objects of this invention are making it possible to circulate as goods the program for realizing the video conference system which raised the above operability in the form recorded on the record medium.

[0007]

[Means for Solving the Problem] In order to attain the above-mentioned object, in the video conference system concerning this invention In the video conference system which performs a television conference while transmitting and receiving multimedia information on real time among two or more personal computers connected through the network 10 In advance of holding of a television conference, the electronic mail 21 with which the object 22 which starts the advice of holding, the information about the content of a board, and a television conference manager was attached is transmitted to a television conference participant. When the television conference participant who received the electronic mail 21 concerned directs said object 22 attached to the electronic mail 21 concerned, Said television conference manager 30 is started and this television conference manager 30 is characterized by starting the application program 50 corresponding to the information about said content of a board, and the television conference program 40.

[0008] Namely, it sets to the video conference system concerning this invention. It was attached to reception mail of an electronic mail system. The television conference manager which starts a video conference system for review data stored in the personal computer, such as a document and a table, an aperture and after that is given in said two or more personal computers. Furthermore, the object which starts said television conference manager is attached to mail of said electronic mail system. When the object attached to reception mail is started by the e-mail addressee, it is characterized by enabling starting of an aperture and a video conference system of a document required for review.

[0009] Moreover, the program for realizing the video conference system concerning above-mentioned this invention can circulate this as goods in the form recorded on the record medium, and the protection range of this invention also attains to such goods.

[0010]

[Embodiment of the Invention] Hereafter, it explains to a detail based on the suitable example which shows the gestalt of operation of this invention to a drawing. Drawing 1 expresses logically the design-review manager and electronic mail system which are set in the personal computer for realizing this invention, and a video conference system. In drawing 1, 10 is computer networks, such as a wide area network and a Local Area Network, and 11 is a medium which performs the communication link between this personal computer and other personal computers. 12 is a communications program in this personal computer, is started from the program of the electronic mail system in a personal computer, or a video conference system, and performs the communication link with other personal computers.

[0011] Moreover, 20 is the program of an electronic mail system and performs transmission and reception of other personal computers and an electronic mail using the above-mentioned computer network 10. The electronic mail program 20 carries out e-mail reception from other personal computers. 21 is the reception mail received

from other personal computers, and the object 22 which starts a design-review manager, and the document 23 which is data of a design review are attached. 30 is a design-review manager and is matched from the object 22.

[0012] The design-review manager 30 starts the television conference program 40 as for which the document 23 which is data of a design review operates an aperture and a video conference system. The television conference program 40 uses a computer network 10, is interlocked with the television conference program of other personal computers, and provides a user with the field of a design review using a camera, a microphone, a loudspeaker, etc. 50 is a document program, and if the document 23 which is data of a design review is opened, this document program will operate.

[0013] Next, a design-review manager is started from the object which starts the design-review manager attached to reception mail, and the processing which performs a design review is explained according to drawing 2. The advice of holding of a design review is described by the reception mail 21 received with the electronic mail program, and the object 22 which starts a design-review manager, and the document 23 of design-review data are stuck on it as an attached file.

[0014] The information 105 grade of a distant office required to start the information 104 which shows that the data of this review are a document 23, and the program of a video conference system is described by the object 22 which starts a design-review manager. In order to communicate with a partner, address information, such as the telephone number of a distant office and the LAN address, is required of a video conference system. For this reason, address information is put into the object 22, and when starting a video conference system, this address information is used.

[0015] If an object 22 is started, the design-review manager 30 which is the stereo of a program will be started (processing 201), and the design-review manager 30 will open the document 23 of design-review data based on the information described by the object 22. Actually, the document program 50 which is a program stereo is started (processing 202). Next, the design-review manager 30 starts the program 40 of a video conference system based on the distant-office information described by the object 22 (processing 203).

[0016] According to the above-mentioned example, actuation of the participant in the case of performing a design review is simplified substantially. This situation is shown in drawing 3 (a) and (b). The actuation in the case of performing the design review of the conventional technique is shown, and, as for drawing 3 (a), the participant who read advice of board holding starts the program of the video conference system of a self-personal computer for the records attached to e-mail to an aperture (actuation 302) and a degree (actuation 303). Further the partner telephone number is inputted and it connects with a review partner (actuation 304).

[0017] on the other hand, according to this example, as shown in drawing 3 (b), the participant who read advice of board holding opens the object which starts the design-review manager attached to e-mail (actuation 402) -- being sufficient. After this, according to an operation of the above-mentioned object, an aperture (processing 411) and a video conference system are started (processing 412), and the records attached are connected without an intervention of an operator with a review partner after ** (processing 413).

[0018] In addition, when it is the design review to which records are not attached, there is no above-mentioned processing 411 and video conference system starting of

processing 412 is performed promptly. The flow of actuation in this case was shown in drawing 4. In addition, the gestalt of the above-mentioned implementation shows an example of this invention, and it is a thing needless to say that this invention is not what should be limited to this.

[0019] For example, the case where a correspondence course is performed is considered by 1 to 1 or one pair n ($n \geq 2$). As shown in drawing 5, after a participant's opening reception mail (actuation 501) and reading correspondence course advice, the object which starts the correspondence course manager attached to reception mail is opened (actuation 502). After this, it connects with the studio in which an aperture (processing 511) and a correspondence course system are started (processing 512), and a lecturer's communication link curricular material attached is without an intervention of a participant after ** according to an operation of the above-mentioned object (processing 513).

[0020]

[Effect of the Invention] As mentioned above, in using the personal computer video conference system connected through networks, such as a wide area network and a local network, according to this invention, as explained to the detail, the remarkable effectiveness that a user's operability can be raised substantially is done so. Moreover, the program for realizing the video conference system concerning this invention can circulate this as goods in the form recorded on the record medium, and the protection range of this invention also attains to such goods.

[Translation done.]

DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

[Drawing 1] It is drawing showing the internal structure of the personal computer for realizing this invention.

[Drawing 2] It is the flow chart which shows actuation of the processing which performs a design review by the design-review manager.

[Drawing 3] It is drawing explaining the difference in the actuation of a participant in the design review by the Prior art, and the design review by this invention.

[Drawing 4] It is drawing explaining other examples of the actuation of a participant in a design review.

[Drawing 5] It is drawing showing the example of application to the correspondence course as other examples.

[Description of Notations]

10 Computer Network

11 Communication Line

12 Communications Program

20 Program of Electronic Mail System

21 Reception Mail

22 Object Which Starts Design-Review Manager

23 Document Which is Data of Design Review

30 Design-Review Manager

40 Television Conference Program

50 Document Program

104 Information Which Shows Review Data

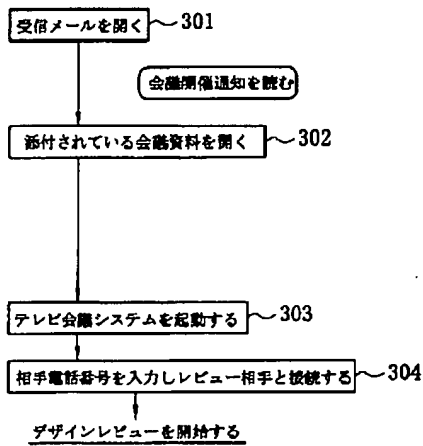
105 Information on Distant Office

201-203 Processing of a design-review manager

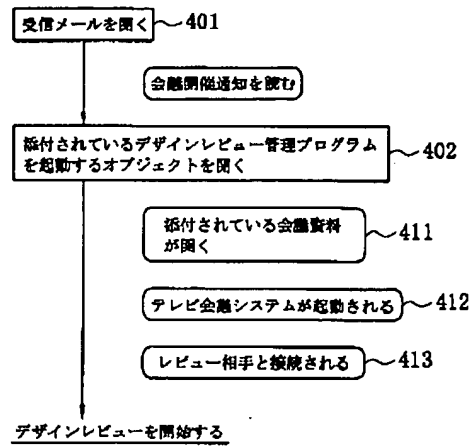
[Translation done.]

[Drawing 3]

(a)



(b)

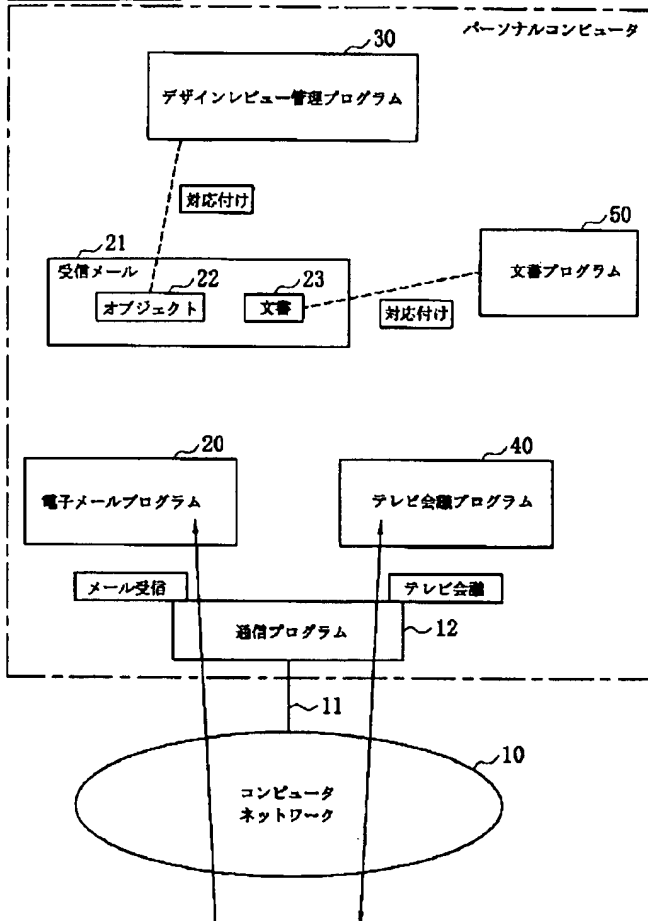


凡例:

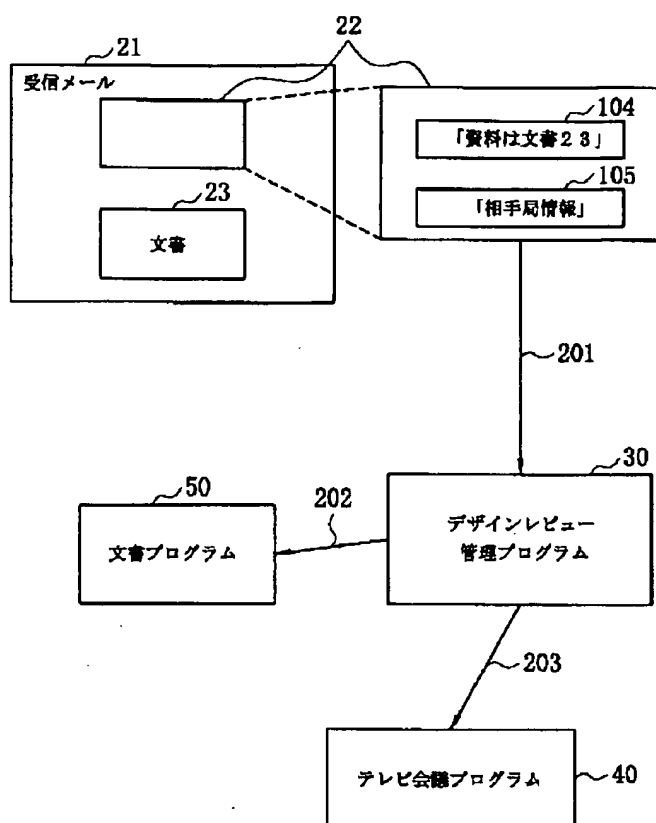
□ : 操作

○ : 操作に伴う処理

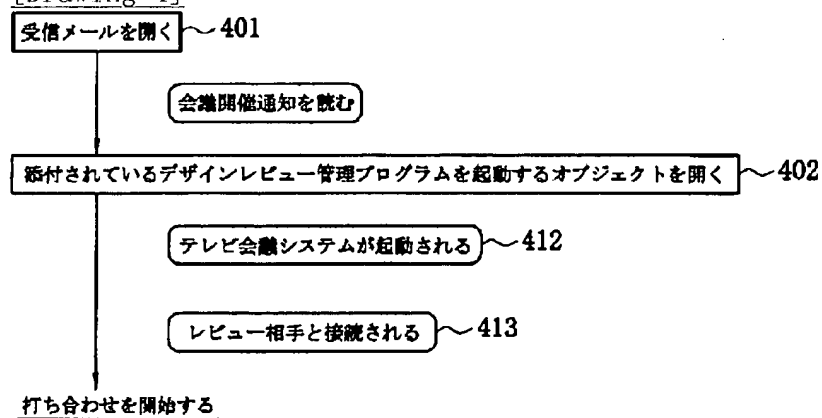
[Drawing 1]



[Drawing 2]

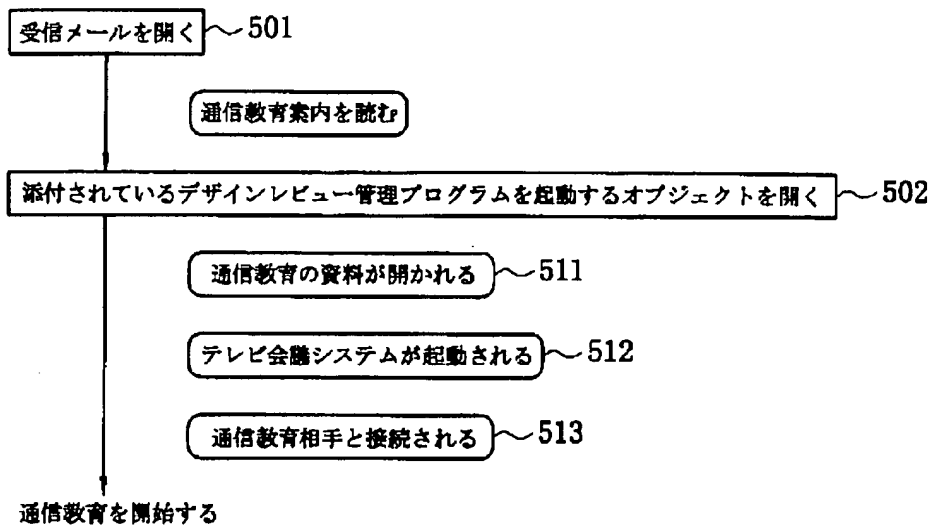


[Drawing 4]



[Drawing 5]

通信教育



[Translation done.]